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ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

92-RF-11642

Attn: J. K. Hartman

PROPOSED CUTBACK IN GROUNDWATER SAMPLING AND ANALYSIS – RLB-0690-92

Refs: (a) J. E. Evered ltr, 91-RF-3619, to R. M. Nelson, Jr., Groundwater Well Evaluation List, June 19, 1991

(b) J. E. Evered ltr, JEE-0277-92 to G. E. Marx, Responses to EG&G Idaho Environmental Management Technical Review, April 9, 1992

Technical review of the groundwater monitoring program at Rocky Flats has led EG&G Rocky Flats to request permission from the Department of Energy, Rocky Flats Office (DOE, RFO) for a significant reduction in groundwater monitoring at the plant. DOE, RFO has also requested EG&G (verbal communications with Jen Pepe, October 1, 1992) to review the groundwater program and reduce the approximately \$8.6 million annual cost of groundwater sampling and analysis. EG&G concurs with these objectives, and this letter proposes a phased approach for scaling back groundwater monitoring activities at Rocky Flats.

A letter from J. E. Evered to R. M. Nelson dated June 19, 1991 presented EG&G's initial groundwater well classification and recommended cutbacks in well sampling and analysis. Defective wells were listed for proposed abandonment; other wells were recommended for semi-annual sampling (instead of the on-going quarterly sampling); and additional wells were listed for no further sampling. A preliminary concept for implementing groundwater program reductions was developed in April, 1992, and has subsequently been revised in the course of discussion between our staffs. It is believed that the approach outlined here will enable EG&G to make technically defensible reductions as rapidly as possible.

The recent EG&G Idaho peer review of the EG&G Rocky Flats groundwater program validated the proposed cessation of monitoring activities for approximately 100 wells. EG&G proposes to cease sampling of these wells shortly after receiving concurrence from DOE, RFO. The 100 wells would include 48 wells (see attached listing) currently proposed for abandonment during Fiscal Year (FY) 93 under the Well Abandonment and Replacement Program (WARP). An additional eight wells were included in the FY93 budget but have recently been abandoned under the FY92 WARP program. EG&G has also proposed cessation of monitoring at the end of calendar year 1992 for the attached list of 51 background monitoring wells (justification for this is discussed on page 6-1 of the September 30, 1992 Background Geochemical Characterization Report). Four of the background wells are proposed for abandonment during FY93, so the above actions would terminate sampling at 103 wells.

CLASSIFICATION:

CONFIDENTIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SECRET	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
UNCLASSIFIED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CONFIDENTIAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SECRET	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

~~A~~UTHORIZED CLASSIFIER

SIGNATURE  
George H. Sefton

DATE 11/6/92  
REPLY TO RFP CC NO:

### SECTION ITEM STATUS

 OPEN       CLOSED

PARTIAL  
ROVERS  
HS:JLMEL:  
TE & TYPIST INITIALS  
RGS:jim

4-465 (Rev. 4/92)

RECEIVED FBI  
BY  
DATE 9-18-93

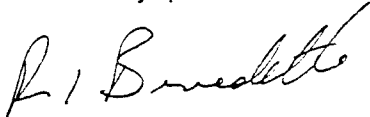
Robert M. Nelson, Jr.  
November 18, 1992  
92-RF-11642  
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Subject to DOE, RFO and regulatory concurrence, these cuts could be implemented by January 1, 1993. The reduction would serve as Phase I of a multi-phase review of the groundwater monitoring program. It should be understood that new wells added to the program since October 1, 1992 for Operable Unit (OU) characterization are not included in this well count.

Phase II of the program review will involve an interim well cutback based on initial review of the existing monitoring program. Of the 300 wells retained in the program, 151 have been sampled at least eight times. It is proposed that these 151 wells be evaluated based on well redundancy and the restructuring of the monitoring network for maximum efficiency. The primary goal will be to remove wells from the program, but reductions in sampling frequencies and reductions in analyte suites may also be recommended. A draft report will be issued to DOE, RFO on December 1, 1992. A target number of 30 to 50 additional wells may be identified for removal from the program after April 1, 1993.

Phase III will involve a detailed examination of all wells with respect to how closely they meet the new program requirements. This involves evaluation of each well with respect to usefulness, viability and purpose. Usefulness will include a review of the historic sample data to help determine the appropriate analytical suite and frequency of sampling. The results of this study will better define the well monitoring network and determine which existing wells will be included in that network. The study may also point out areas where increased surveillance is necessary. This report will be finalized by September 30, 1993.

At the request of J. Pepe of DOE, EG&G will prepare a presentation to the regulatory agencies on the Well Evaluation Program and proposed Phase I and II cutbacks. This presentation is tentatively scheduled for December 9, 1992. Please contact Mark Levin at extension 8580 or Steve Singer at extension 8635 if you have any questions.



Robert L. Benedetti  
Associate General Manager, Acting  
Environmental Restoration Management  
EG&G Rocky Flats

SHS:jlrm

Orig. and 1 cc - R. M. Nelson, Jr.

Attachment:  
As Stated

cc:  
J. Pepe - DOE, RFO

**Monitoring Wells Slated for Removal from the Monitoring Program during  
FY93 under the Well Abandonment and Replacement Program (WARP)**

0181	0186	0281	0371	0381	0471
0486	0686	1186	1286	1374	1474
1574	1674	1774	1874	1886	2086
1787	2687	2787	2886	3186	3587
3787	4487	4586	4787	4987	5087
5886	5987	6387	6787	B201489	B203689
B204689	B206189	B207289	B208389	B208489	B220189
B301889	P207489	P209989	P210289	P213889	P213989

**Monitoring Wells Used for Background Geochemical Characterization**

**Wells in Rocky Flats Alluvium**

B200589	B200689	B200789	B200889	B400189	B400289
B400389	B400489	B405586**	B405689	B405789	

**Wells in Valley Fill Alluvium**

B102289	B102389	B202489	B202589	B302789	B302889
B302989	B303089	B402689			

**Wells in Colluvium**

B201089	B201189	B201289	B201489*	B201589	B205589
B301889*	B302089	B401989	B405989		

**Wells in Arapahoe/Laramie Formation**

B203189	B203289	B203489	B203589	B203689*	B203789
B203889	B203989	B204089	B204189	B204689*	B304289
B304789	B304889	B304989	B305389	B402189	B405189
B405289	B405489	B405889			

\*Background wells slated for abandonment under WARP in FY93.

\*\*The only 1986 well used in the Background Program.